

LATITUDE 39°15'00"

6,626'

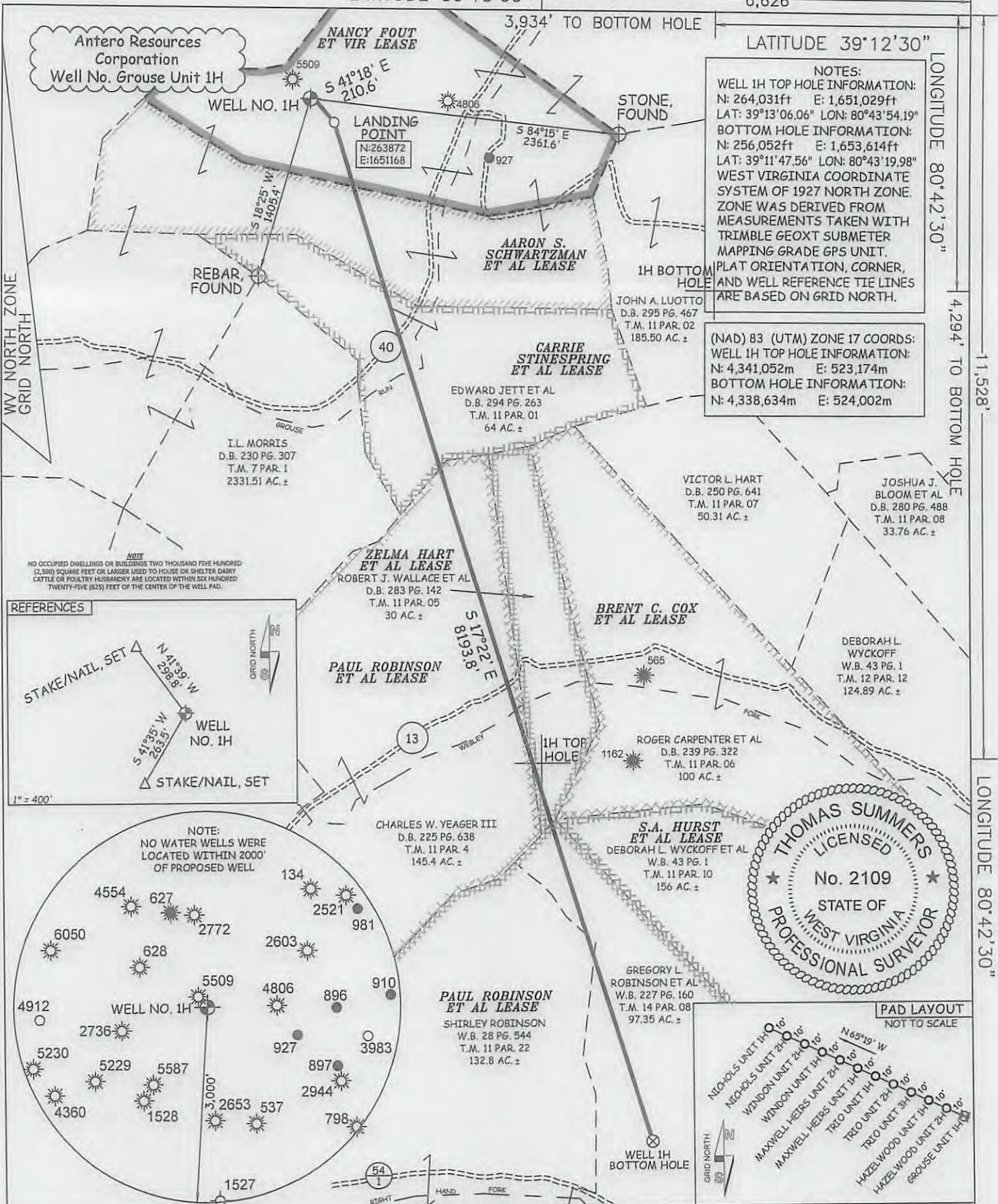
LATITUDE 39°12'30"

LONGITUDE 80°42'30"

4,294' TO BOTTOM HOLE

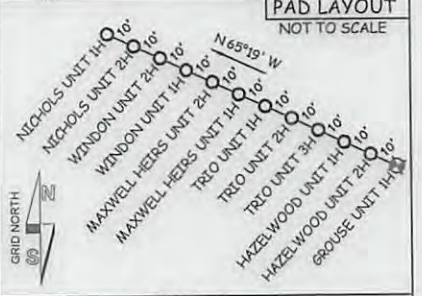
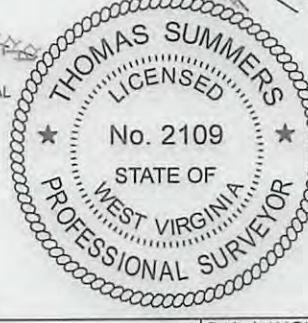
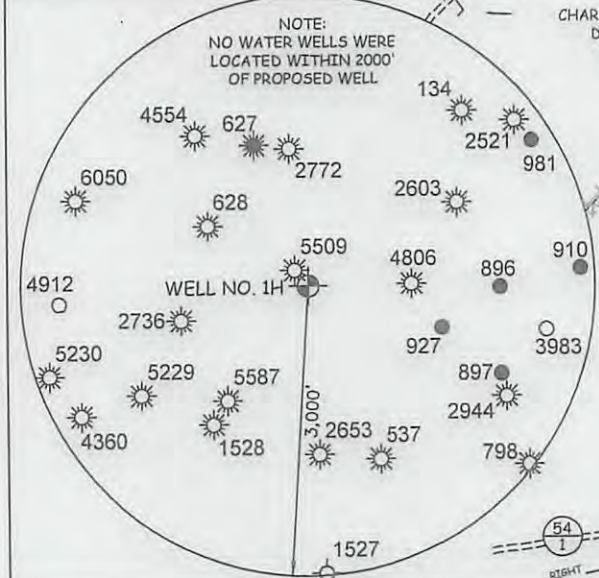
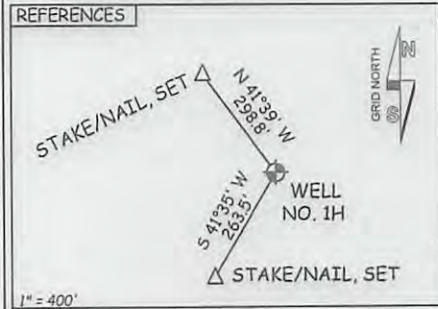
11,528'

LONGITUDE 80°42'30"



NOTES:  
 WELL 1H TOP HOLE INFORMATION:  
 N: 264,031ft E: 1,651,029ft  
 LAT: 39°13'06.06" LON: 80°43'54.19"  
 BOTTOM HOLE INFORMATION:  
 N: 256,052ft E: 1,653,614ft  
 LAT: 39°11'47.56" LON: 80°43'19.98"  
 WEST VIRGINIA COORDINATE SYSTEM OF 1927 NORTH ZONE. ZONE WAS DERIVED FROM MEASUREMENTS TAKEN WITH TRIMBLE GEOXT SUBMETER MAPPING GRADE GPS UNIT. PLAT ORIENTATION, CORNER, AND WELL REFERENCE TIE LINES ARE BASED ON GRID NORTH.

(NAD) 83 (UTM) ZONE 17 COORDS:  
 WELL 1H TOP HOLE INFORMATION:  
 N: 4,341,052m E: 523,174m  
 BOTTOM HOLE INFORMATION:  
 N: 4,338,634m E: 524,002m



JOB # 13-046WA  
 DRAWING # GROUSE1H  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY SUBMETER  
 PROVEN SOURCE OF ELEV. SUBMETER MAPPING GRADE GPS  
 STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS  
 WELL TYPE: OIL \_\_\_ GAS  LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS") PRODUCTION  STORAGE \_\_\_ DEEP \_\_\_ SHALLOW   
 LOCATION: ELEVATION 1,149' WATERSHED GROUSE RUN  
 QUADRANGLE NEW MILTON 7.5'  
 SURFACE OWNER I.L. MORRIS  
 OIL & GAS ROYALTY OWNER NANCY FOUT ET VIR; AARON S. SCHWARTZMAN ET AL;  
 CARRIE STINESPRING ET AL; PAUL ROBINSON ET AL; ZELMA HART ET AL; PAUL ROBINSON ET AL  
 PROPOSED WORK: DRILL  CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE   
 PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL  
 (SPECIFY) \_\_\_ PLUG & ABANDON CLEAN OUT & REPLUG  
 TARGET FORMATION MARCELLUS ESTIMATED DEPTH 7,200' TVD 15,970' MD  
 WELL OPERATOR ANTERO RESOURCES CORP. DESIGNATED AGENT DIANNA STAMPER  
 ADDRESS 1625 17TH STREET ADDRESS 5400 D BIG TYLER ROAD  
 DENVER, CO 80202 CHARLESTON, WV

I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PERSCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

STATE OF WEST VIRGINIA, DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

WILLOW LAND SURVEYING PLLC  
 220 MASONIC AVE. PENNSBORO WEST VIRGINIA 26415

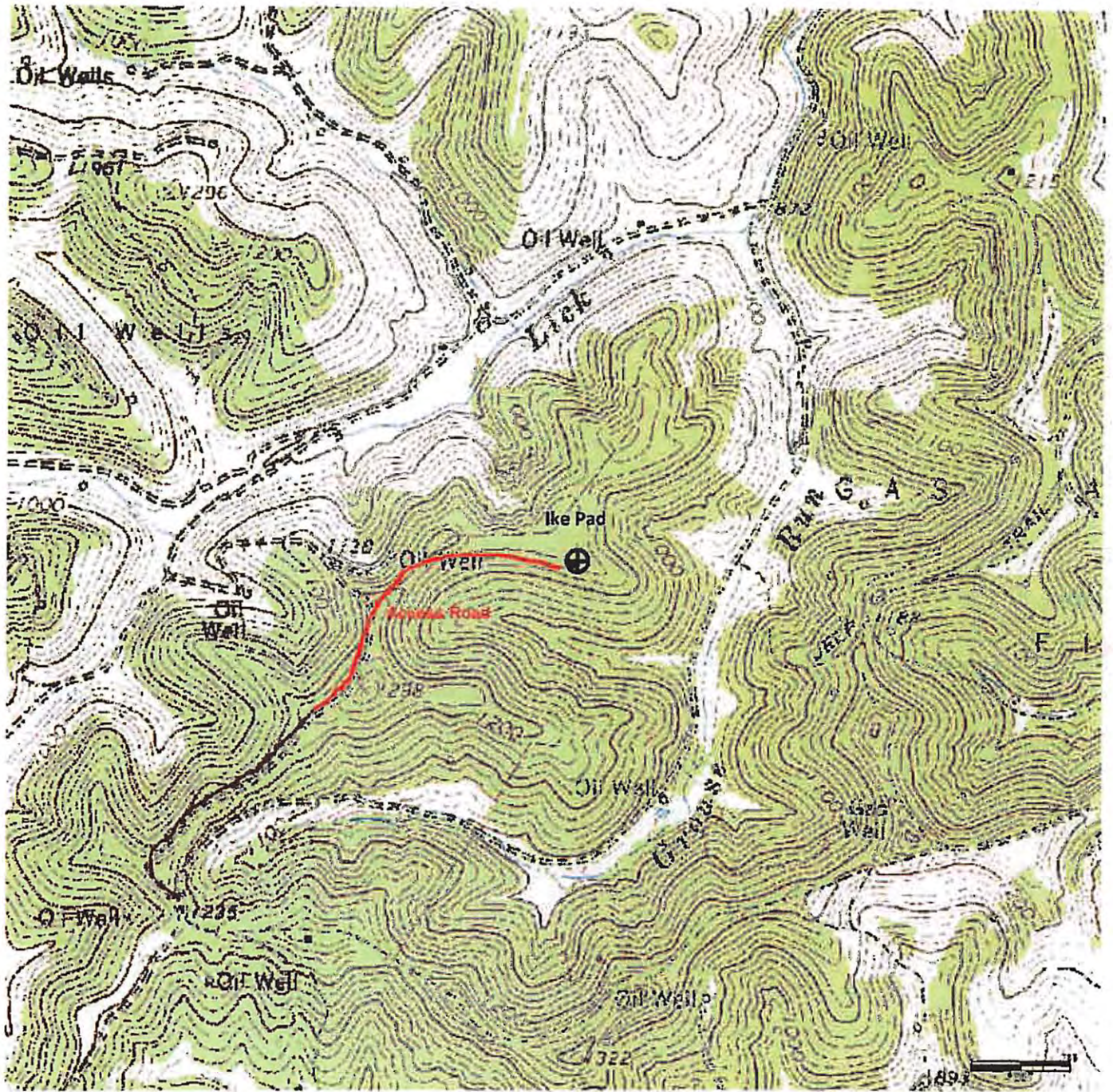
STATE OF WEST VIRGINIA  
 MONTANI SEMPER LIBERI

LEGEND  
 --- Surface Owner Boundary Lines +/-  
 --- Interior Surface Tracts +/-  
 X Existing Fence  
 ⊕ Found monument, as noted

THOMAS SUMMERS P.S. 2109

DATE 07/29/13  
 OPERATOR'S WELL# GROUSE UNIT #1H  
 API WELL # 47 - 017 - 06354  
 STATE COUNTY PERMIT  
 COUNTY NAME PERMIT





DCW  
9-11-2013

<b>Antero Resources Corporation</b>	
Appalachian Basin	
Grouse Unit 1H	
Office of Oil and Gas	
Doddridge County	
Quadrangle: New Milton	RECEIVED SEP 20 2013
Watershed: Meathouse Fork	
District: New Milton	
Date: 8-7-2013	WV Department of Environmental Protection